Aug-18-99 09:51A MARSHALL 0'700[6

ANO. 1841 P. 2/4 MASSES From: WILLIAMS

DECLARATION FOR PATENT APPLICATION AND POWER OF ATTORNEY

As a ladow mental invent	or, I hareby declare that my renderes, past o	Figs. whiter and allimited	
to my name; I believe that I am the	original, first and sole inventor (if only or	an name is parent prices.	s shiped below nos
inventor (if plural means are below	balow) of the subject matter which is claim	and not formal along of an eng	ina), first and join
EDELLA TREATMENT OF TUR	fors with genetically enginee	the same of which a palent is song	at on the invention
(check one): Wis attached heres	a: C was filed on	HERFES VIRUS, the spe	cification of which
_ and was alternated on	s; C was filed on	ss Appliestion Social No	
92	(if applicable)	: a was filed as PCT International	Application No.
I have reviewed and and and	was amounted under Article 19 pa	(if applicable).	I bereby state that
The second second second second	The comments of the above-tries plant than	ification including the state.	
	successful the duty to disclose to the Pa	usal and Tendemark Office all infe	marios knows &
me to be material to patentability	as defined in 37 C.P.R. §1.56.		
I hereby claim foreign p	rictly bearing under 35 U.S.C. 3119 of	Takes Charles	
certificate or of my PCT interestion	al application(a) designating at least one on	my totals abbrestos(s) for be	part or investor,
below and have also identified h	whom any fundaments of the cost of	that y other than the United States	of America listed
amicalants) designation at least on	elow any foreign application(s) for parties	t or investor, a consignate on only	PCT interpational
a Share date before state of the	n unlintry wher then the United States of Am	series filed by me on the same sub-	ject matter baving
- vernet mere ferfete fort of for shin	lication(s) of which priority is claimed:		•
		•	Priority Claimed
(Application Swig) Number)	(County)	(Pt/Month/Yest Filed)	0 0
		(SQ version 1 set 1500)	Yes No
(Application Social Number)	(Genaty)	(Day/Manth/You Filed)	Q D
		•	
l bereby olaim the benefit	under 35 U.S.C. \$119(c) of any United St	Mici Statisianal application(s) time	
		- Abuerdon(a) Ha	er perce.
Application Social Number		(Der/Month/Year Filed)	
		(has work ten bird)	
Application Serial Number)		DelHerry en Fled	
-		•	
I hereby claim the benefit	under 35 U.S.C. \$120 of any United State	s application(s) or PCT internation	od suplication(s)
westerning the follow 2000 of Vinc	mice listed below and, invofer as the subject	of matter of each of the plain.	
by anyrown in ore hitest abblication	(s) in the memor provided by the first part	serent of 35 U.S.C. 4112. I water	
o disclose to the Office all informatio	idalacted at lairment so as an at sword fid	lity as defined in 37 C F B At C	Swaller on duty
servess the filing date of the prior.	application(s) and the national or PCT inte	emstined filing date of this and the	a witch occurred
		- control tours are or cars abotte	Ation:
Application Intial Number)	Day Month Your Filed	(m.	
	and the same of th	(Status-Parented, Par	Fing of Ahasdopad)
Application Deriel Number)	Day Month You Filed	Siche-Presided, For	Green Abandana
Thombs declare that all an a			
otate its test destroy months of the destroy and	ments made beauty of my own knowledge as	re true and that all statements mad	e en information
the relief from tentioned to be seen in it	Francisco de la deservación de la constante de	4.4 4 4	

I bereby declare that all statements made bursh of my own knowledge are from and that all statements made on information and balled are ballisted to be over and further that these statements were made with the knowledge that willful false statements and this is made an productive to fine as two-parameters, or bath, make 12 living, friend and that such willful false statements and may jeopardize the validity of the application or any passest issued thereog.

P.01

08/20/99 FRI 13:42 FAX 773 702 0741 ARCH Development Corp.

Airio G. Mailman (19,412) Alian M. Channie (21,213) Alar P. Sangadii (22,224) Edward M. O'Tanko (21,477) Midhail F. Banga (21,447) Tanno B. Jajim (25,542) Timorky J. Vanna (25,345)

Carl S. Marro, A. (54,487)
Einterd M. Anthonya (\$4,534)
Period D. Bres (24,677)
Jesus P. Saller (\$4,671)
Villian E. Mallynethe (24,155)
Richard A. Mallynethe (24,155) Address Primus (20,574)

Chicago A. Sobit (\$1,545)
infloy S. Base (\$1,587)
Botto J. March (\$1,587)
Josep J. March (\$1,581)
School M. La Base (\$2,366)
Kerl A. Voct (\$2,366)
Li-Min Sielaten, M.D. (\$2,547)

. --.

Broghen C. Handscher (23,710)
Petings Mr. Genetic GA, 2547
Decid W. Genetic GA, 1977
Michael A. Broghen (27,451)
Reger A. Broghen (27,451)
Decid A. Gene (38,157)
Joseph A. William, R. GA, 6677

Send correspondence but Joseph A. Williams, Jr.

PRIX NAIG	FROME NO.	STREET	CITY & STATE	
thatl. O'Tools, Goodnie,	foll one other	GO Sur 7 ster		CODE
	313-474-6360	258 Smesk Wenter Bries	Chings, Bligais	(COLUMN)
Red Mann of Fine or Sate Since		- Charles		
And Address - Bergel		United State		
(Sto Nord Barline	114	The Office A	- 8	
Gy (Lip)	11	1900 North	Dellas	
Criugo, 606 14 1	~	المراكب		
Sum or County		- Gican, 60		
Illiands ,		Plan or Chapt		
		Minnie		
\$/19/99		Marana		
Sand bid breaks, if my				
Report Reimage		Chinatip		
Religio Adies - Press		Valed Stee		
5555 Small Brownell		Pat Office Ad	Anna Linna	
G (2p)		5555 Second	THER	
Chiese, 60637		Co (Cip)		
Sudo ot Condity		Colcago, 60		
Illinois		Side of Country		
Par ingest		Dissis		
		Signature		
Third Street Breacher, if my				
Richard Whitley		Glambi		
Resident Address - Street		United State		
216 Section Circle		Pot Office Add	resp - Lirent	
City (Ely)		716 Seden	est Circle	
Birma plan, 25216		City (Zip)		
Stee of Greater		- Amido		
Alabania		State of Country		
Poly		Aleban		
		Spenters		
Fourth Joint Language, if any	مستوي المدرجوات	ونسيفاو		
		Comments.		
Buider Allen - Seal		Per Office Add		
CI - (Cr)		C-2 (2ig)		
or Caseby		State or Country		
Does		Signatur		

ARCH Development Corp. From: WILLIAMS

Alvin D. Shalman (19,412) Alles M. Generia (22,213) Nas F. Socralli (22,120) Severe M. O'Tenie (22,477) Michael F. Bornes (25,447) Trover B. Jolla (35.542) Timothy J. Venu GE345)

Cel J. More, Jr. (36,617) Biobard H. Arthur (14,520) Periok D. Book (26,877) James P. Zaller (28,491) William B. McCraches (30,195) Michael A. Sohaver (30,800) Anthony Nimmo (30,930)

Christin A. Dudell (71,245) Jeffsey 3. Elemp (31,479) Marda 1, Mirrah (32,337) James J., Napoli (32,361) Richard M. La Berge (22.254) Kurl A. Vict (\$3,288) Lifting Bio Later, M.D. (3,547)

Baules C. Hookster (33,710 Robert M. Gerrain (34, 124) David W. Clause Ch. 107) Richard A. Brondon (37,051) Roper A. Repperatus (57,641) David A. Gas (\$4,153) Joseph A. Williams, Jr. Co.(69)

Send extrapondence to: Joseph A. Williams, Jr.

F NAME	Phone No.	STREET		
Manhall, O'Toule, Contain, Mr-oy & Room	312-474-6300	450 South Towns 233 South Wester Drive	etty & State	219 CODE
Full Name of First or Sale Inventor Reigh Worthwillow		Dilop	Chicago, Minois	60606-64/22
		Cimatip		
Address - Stand		United State		
1909 North Burling		Pert Office Ad		
City (Zip)		1309 North	Burline	
Chicago, 60614		(کنه)		
Illinois:		Chicago, 60	514	
A. C.		State of Corpus		
Des di		Dinois	_	
		Mgodure		
FINAL ASSESSMENT OF THE PROPERTY OF THE PROPER		8		
smed Join Lowner, If any				
Chera Roizman		Gianskip		
inidam Adims - Sters		United States		
ISSS South Every		Post Office Add		
3ry (Zip)		5555 South P	Unite II	
hicago, 50637		C(4 (Z(p))	-100	
into or Country		Chicago, 6069	17	
lizoia .		Stete of Country		
		Illinois		
AMERICAN AMERICAN ST. TO 65		Signature		
- Marie Control				
ard Joint Inventor, if my				
ICORIG WILLIAM		Citizophip		
Address - Stewart		United States		
6 Shadescross Circle		Post Office Addies		
7 (ZP)		216 Shadescrou		
நூர்திய 35216		City (Zip)	- ज्यायह	
is a County		Birmingham, 3,	5216	
abamg .		State of Country		
a. a.		Alabama		
Chepar 11,	1999	Banan		
		B 7-	chaid Wh	el-
iff it Inventor if				
in hi lavebler, if any				
idean Address - Street		Granabip		
- Street		B		Ĭ.
(E (p)		Pose Offin Adding	- Street	
व र		City (Zp)		
or Collaby				
		Sale of Country		
		Signatura		
				П

08/18/99 WED 16:22 FAX 773 702 0741 Anon Description of substitution of 1841 and 7. 1841 a ARCH Development Corp.

. Alvie D. Shulmen (19.4)2) Allen H. Georgia (22,215) Non F. Soumalli (22,224) First F. Scattelli (22,520) Bound M. C. Toole (22,477) Michael F. Benn (25,447) Trever B. Jaja (25,543) Timothy J. Venne (34,348)

Ctal B. Moore, & G6,427) Bisherd H. Andrews G6,526) Facility D. Brol G6,577) June 2. Zale (25,401) William E. Machada (50,195) Richard A. Salawer (30,830) Asthory Nimme (50,030)

Christian A. Duchit (3) 245) Julius S. Sharp (31, 278) Maria J. Hiresh (37,297) Jemes J. Napoli (32,3EI) New A. Vice (73,120)
Living Dis-Lenne, M.D. (3,567)

: --

Delgies C. Handwider 03,710 Power M. Gendein (24, 550) Dryid W. Clough (56, 107) Blabard A. Brendes (37,051) Roger A. Hoppenham (37,641) Devid A. Gase (38,162) Joseph A. Williams, Jr. Gd. (52)

Send correspondence to: Joseph A. Williams, Jr.

FRM NAME	Phone No.			
sidi, O'Tatio, Castia,	I STATE MO.	STREET	CITY & STATE	ST CODE
stray & Boren	312-474-5300	STOD Sare Tower		CO CODE
	- • •	293 South Wester Briton	Chicago, Blionia	Corner a
7 " Name of Past or Sale Investor				. COCOC-GACE
A Water saling you		Cifemaliy		
Antidese Address - Great 1939 North Burling		United Series	3	
Cly (Zip)		P-4 Office At 1909 North	Parent - Street	
Chicago, 60514		City (City)	Target and the second	
State of Contains		Chicago, 60	614	
Discis		State or Count	7	
Date		Winnie		
		Signature		
Village of the control of the contro				_
Bernad Seigt Inventor, if any				
Beneard Rollman		Chimbip		
Planting Address - Same		United State		,
S\$55 Bouth Everett		For Stand	cum - Steams	
Chicago, 60637		SSSS South F	Vegelt	
State of Country		Chicago, 606	37	
Il inide		State of Course	71	
Die /		Illacis		
· Aug 11, 1999	,	Signitife	7	
		A	1 1/40	cua
Third Joint Exenior, if my				
Richard White		Cidanatic		
Residence Address - Stant		United States		
716 Standardst Circle		Pos Otto Add	- Street	
Cly (Zip)		215 Shadowe	d Circle	
Birmis hum, 35216		City (Zip)		
Alabama		Birmingham,	15716	<u></u>
Date:	_	Abstract		
•		Alguabase		
			•	
Fanch Lind Ton				
Roserts Louist Towardon, 18 any		Cimely		
2 × Address - Danes				
V 17 1444		Dest Office Address	1 . C/h.	
TO (Zip)			brilding	
	_	City (Zip)		
tu paracy				
Set.		State or Country		
Selo s		Signatur		
			1	

P.04

APPLICABLE RULES AND STATUTES

No. 1841 P. 4/4 From: WILLIAMS

37 CFR 1.56. DUTY OF DISCLOSURE - INFORMATION MATERIAL TO PATENTABILITY (Applicable Portion)

(a) A patent by its very maters is affected with a public interest. The public interest is best served, and the most effective patent examination occurs when, at the films an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a person application has a duty of cander and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclose information with respect to each pending claim until the claim is capcolad or withdrawn from consideration, or the application becomes abandoned. Information material to the passetability of a claim that is cannoled or withdrawn from consideration need not be submitted if the information is not material to the patrambility of my claim constining under consideration in the application. There is no duty to submit information which is not material to the patentability of my existing claim. The duty to discloss all information books to be material to parametrize to designed to be extinfied if all information books to be material to passenability of any claim issued in a patent was cited by the Office or subspired to the Office in the manner prescribed by \$\$ 1.97(b)-(d) and 1.95. However, so patent will be grand on an application is consecution with which fraud on the Office was practiced or attempted or the stary of disclosure was violated through had faith or inscentional misconduct. The Office exceptinges applicants to carefully examine:

prior are clied to march reports of a foreign petent office is a considerant application, and (2)

the closest information over which individuals associated with the filing or prosecution of a putner application bulleve any proding ciaim patentability defines, to make sure that any renterial information contained therein is displaced to the Office.

Information relating to the following factual riductions commented in 35 USC 102 and 103 may be considered material under 37

35 U.S.C. 102 CONDITIONS FOR PATENTABILITY: NOVELTY AND LOSS OF RIGHT TO PATENT

A person shall be entitled to a parent valers -

(a) the investion was known or used by others in this country, or passested or described in a printed publication is this or a foreign country, before the invention thereof by the applicant for parent, or

(b) the invention was patented or described in a printed publication in this on a foreign country or in public use or on sale in this country, more than one year prior to the date of the application for patent in the United States, or

(c) he has ebandoned the invention, or

(d) the invention was first passence or estuand to be patented, or was the subject of an inventor's partificate, by the applicant or his legal representatives or societa in a foreign country prior to the date of the application for patent in this sountry and an application for passest or inventor's cardificate filed more than revolve months before the filing of the application in the United

(e) the invention was described in a patent granted so an application for patent by another filed in the United Source before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of personals (1), (2), and (4) of metion 371(a) of this title before the investion thereof by the applicant for parent,

(f) be did not himself invent the subject matter sought to be patented, or

(g) before the applicant's invention thereof the invention was made in this country by another who had not abandened, suppressed, or concentrative. In determining priority of invention there shall be considered not only the respective dates of conception and reduction to practice of the invention, but also the reasonable diligence of one who was first to conceive and last to reduce to practice, from a time prior to conception by the other.

35 U.S.C. 103. CONDITIONS FOR PATENTABILITY; NON-OBVIOUS SUBJECT MATTER (Applicable Pertion)

A patent may not be obtained though the invention is not identically disslosed or described as not forth as section 102 of this title, if the differences hatearn the subject matter sought to be parented and the prior air are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the are to which said subject matter pertains. Patentability shall not be negatived by the manor in which the investion was made.

Subject matter developed by smother parent, which qualifies so prior art only under subscation (f) or (g) of section 102 of this hile, shall not preciude personability under this section where the subject matter and the claimed laventions were, at the time the invention was made, awned by the caree person or subject to an obligation of assignment to the same person.

35 U.S.C. 112. SPECIFICATION (Applicable Portion)

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, succise, and assert terms as to enable my person skilled in the art to which it portains, or with which it is most nearly confected, to make and use the same, and shall set forth the best mode contemplated by the inventor of carrying out his investion.